

# ***Journal of Differential Equations***

EDITOR-IN-CHIEF: JACK K. HALE

EDITORIAL BOARD:

H. A. ANTOSIEWICZ	A. HALANAY
A. P. CALDERON	LARS HÖRMANDER
MARY L. CARTWRIGHT	LOUIS NIRENBERG
LAMBERTO CESARI	CZESŁAW OLECH
COURTNEY COLEMAN	A. PLÍS
ROBERTO CONTI	JAMES SERRIN
AVRON DOUGLAS	WALTER STRAUSS
AVNER FRIEDMAN	R. TEMAM

FOUNDING EDITOR: J. P. LASALLE

VOLUME 51  
1984



**ACADEMIC PRESS, INC.**

**(Harcourt Brace Jovanovich, Publishers)**

**San Diego Orlando San Francisco New York London  
Toronto Montreal Sydney Tokyo São Paulo**